

Commonwealth of Massachusetts
Executive Office of Environmental Affairs ■ MEPA Office

ENF Environmental Notification Form

For Office Use Only
Executive Office of Environmental Affairs

EOEA No.: 14203
 MEPA Analyst: Bill GAGE
 Phone: 617-626-1025

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Medway Sewer		
Municipality: Medway	Watershed: Charles	
Universal Traverse Mercator Coordinates: UTM Zone 23 296896E 4668204N	Latitude: N 42° 08' 22.71" Longitude: W 71° 27' 27.85"	
Estimated commencement date: July 2008	Estimated completion date: December 2009	
Approximate cost: \$5.4 M	Status of project design: 90 %complete	
Proponent: Water and Sewer Department		
Street: 155 Village Street		
Municipality: Medway	State: MA	Zip Code: 02053
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Amanda Cavaliere		
Firm/Agency: Tata & Howard, Inc.	Street: 125 Turnpike Road	
Municipality: Westborough	State: MA	Zip Code: 01581
Phone: 508-366-5760	Fax: 508-366-5785	E-mail: amandac@tataandhoward.com

- Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No
- Has this project been filed with MEPA before?
 Yes (EOEA No. _____) No
- Has any project on this site been filed with MEPA before?
 Yes (EOEA No. XXX) No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:
- a Single EIR? (see 301 CMR 11.06(8)) Yes No
 - a Special Review Procedure? (see 301CMR 11.09) Yes No
 - a Waiver of mandatory EIR? (see 301 CMR 11.11) Yes No
 - a Phase I Waiver? (see 301 CMR 11.11) Yes No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres):
Executive Office of Housing and Economic Development: \$3.1 M

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Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify Medway Conservation Commission, Massachusetts Department of Environmental Engineers, Mass Historic, NHESP) No

MEPA

FEB 29 2009

List Local or Federal Permits and Approvals Medway Conservation Commission - Order of Conditions, 401WQ, Army Corp of Engineers- Programmatic Permit, BRP WP71, Sewer System Extension

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- | | | |
|---------------------------------|--|--|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input checked="" type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input checked="" type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air | <input type="checkbox"/> Solid & Hazardous Waste |
| <input type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input checked="" type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input checked="" type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input checked="" type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i> Army Corps of Engineers – Programmatic Permit
Total site acreage	10.1			
New acres of land altered		0		
Acres of impervious area	0	0	0	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		0		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	0	0	0	
Number of housing units	0	0	0	
Maximum height (in feet)	0	0	0	
TRANSPORTATION				
Vehicle trips per day	0	0	0	
Parking spaces	0	0	0	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	0	0	0	
GPD water withdrawal	0	0	0	
GPD wastewater generation/ treatment	0	86,630	86,630	
Length of water/sewer mains (in miles)	0	4.5	4.5	

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

Yes (Specify _____) No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

Yes (Specify _____) No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

Yes (Specify see Figure No. 2 Certified Vernal Pool Located off West St.) No

HISTORICAL /ARCHAEOLOGICAL RESOURCES: Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

Yes (Specify Awaiting response from Massachusetts Historical Commission, see Attachment A)

No See attached correspondence

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify _____) No

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify _____) No see Figure 3

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative

Project Area Description

The Medway Industrial Park (Park) is located in the western portion of Town, off Route 109, near the intersection of Interstate Route 495, see Figure 1. The Park contains approximately 15 parcels of land that are currently zoned for industrial use. The Park has been projected to support a potential of 1.8 million square feet of light industrial development that would generate approximately 50,000 gallons per day (gpd) of wastewater.

Tata & Howard prepared a report for the Town in February 2000 on wastewater disposal alternatives for the Park. The report evaluated the feasibility of treating the wastewater that is generated in the Industrial Park in an on-site treatment plant with disposal of treated effluent to the groundwater underlying the Park. The evaluation concluded that the soils within the Park are not amenable to disposal of all the wastewater that could potentially be generated at full build out of the Park. In addition, substantial wetland resource areas and a shallow groundwater table would further limit the siting of a groundwater disposal system within the boundaries of the Park under current Massachusetts 310 CMR 15.00 Title V regulations.

In consideration of the Park's close proximity to Route 495, the lack of a suitable means to dispose of wastewater is likely to be the primary impediment of further development to the Park. The nearest point for potential connection to the Town's existing sewer system is located at the intersection of Village Street and Franklin Street.

Land Impacts

The Medway Industrial Park project will consist of the installation of approximately 22,000 lf of 8-inch, 12-inch and 18-inch diameter gravity sewer main, one (1) submersible pump station and associated 6-inch diameter force mains to service the Industrial Park.

The proposed sewer shall be installed within the right of way from the Industrial Park located off Route 109 to an existing manhole located at the intersection of Village Street and Franklin Street.

The route will travel along portions of Alder Street, West Street, Holbrook Street, Main Street, Village Street, Rob Way, and Waterview Drive. In addition, some of the proposed route will travel through an abandoned railroad bed traveling parallel with Village Street and cross country from Holbrook Street to West Street. The Town is currently in the process of evaluating all areas requiring easements. Prior to construction, land acquisition, easements and/or "takings" shall be completed.

As previously mentioned, the gravity sewer main will be installed in the right of way of existing roads for the majority of the route. However, the sewer main installations will require two (2) brook crossings, five (5) wetland crossings and approximately 186,000 square feet of temporary disturbance within the 100-foot buffer zone of the bordering vegetated wetlands. The impacts caused by the proposed work are anticipated to be negligible.

Wetlands, Waterways, and Tidclands Impacts

The gravity sewer main will be installed in the right of way of existing roads for the majority of the route. However, the sewer main installations will require two (2) brook crossings, five (5) wetland crossings and approximately 186,000 square feet of temporary disturbance within the 100-foot buffer zone of the bordering vegetated wetlands. All crossings and buffer zone work will result in a temporary disturbance of the resource area. These crossings will be limited to a maximum of 20 feet wide disturbance and no changes in grade or elevations will be permitted within the resource area in an effort to minimize the impacts.

The disturbance to the wetlands is temporary in nature. No additional clearing or maintenance of the sewer main route within the resource areas will be performed after construction is completed.

The wetland resource areas will be restored and the native species will be permitted to grow back after construction is complete, replication of the temporarily disturbed wetlands is not required.

During the installation within the buffer zone and the resource area, haybales and siltation fence will be installed along the sewer main route to mitigate sediment from resource areas and the trench will be backfilled with the excavated native material. The excavated material will be stockpiled according to separate soil horizons to facilitate the layered replacement of the horizons during backfilling. Careful attention to the uppermost soil horizons will be made during replacement of these soil layers in an effort to promote the repopulation of the disturbed wetland area as quickly as possible.

Lastly, the work proposed within the resource area will be conducted during late summer and early fall when groundwater levels are typically at their lowest in an effort to minimize the resource area disturbance. In addition, the wetland crossings and brook crossing will occur during frozen ground conditions in the winter. The impacted area will be restored to existing

grades; no filling of the resource area is proposed.

Wastewater Impacts

Approximately 5,445 linear feet of proposed sewer main will be installed cross-country and outside the existing right of way. The cross-country route will result in the temporary disturbance of approximately 110,000 square feet and will be limited to a maximum of 20 feet wide and shall be temporary in nature. The long term impacts caused by the proposed work are anticipated to be negligible.

It is anticipated that the Industrial Park and the potential additional residential connections along the route will generate approximately 86,630 gallons per day of wastewater. The wastewater will flow by gravity from the Industrial Park to an existing manhole at the intersection of Village Street and Franklin Street prior to being treated at the Charles River Pollution Control District (CRPCD) located off Village Street. The sewer extension meets the goals and intent of the Town of Medway's Sewer Master Plan developed in 1999. Based on information provided by the Town, the CRPCD and existing collection system prior to the CRPCD are capable of handling the additional flow. Therefore, the impacts caused by the proposed project are anticipated to be negligible.

LAND SECTION – all proponents must fill out this section

I. Thresholds / Permits

A. Does the project meet or exceed any review thresholds related to **land** (see 301 CMR 11.03(1))
 Yes No; if yes, specify each threshold:

II. Impacts and Permits

A. Describe, in acres, the current and proposed character of the project site, as follows:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Footprint of buildings	<u>0</u>	<u>0</u>	<u>0</u>
Roadways, parking, and other paved areas	<u>0</u>	<u>0</u>	<u>0</u>
Other altered areas (describe)*	<u>0</u>	<u>0</u>	<u>0</u>
Undeveloped areas	<u>10.1</u>	<u>0</u>	<u>10.1</u>

B. Has any part of the project site been in active agricultural use in the last three years?
 Yes No; if yes, how many acres of land in agricultural use (with agricultural soils) will be converted to nonagricultural use?

C. Is any part of the project site currently or proposed to be in active forestry use?
 Yes No; if yes, please describe current and proposed forestry activities and indicate whether any part of the site is the subject of a DEM-approved forest management plan:

D. Does any part of the project involve conversion of land held for natural resources purposes in accordance with Article 97 of the Amendments to the Constitution of the Commonwealth to any purpose not in accordance with Article 97? Yes No; if yes, describe:

E. Is any part of the project site currently subject to a conservation restriction, preservation restriction, agricultural preservation restriction or watershed preservation restriction? Yes No; if yes, does the project involve the release or modification of such restriction? Yes No; if yes, describe:

F. Does the project require approval of a new urban redevelopment project or a fundamental change in an existing urban redevelopment project under M.G.L.c.121A? Yes No; if yes, describe: